

Notice of Allowability

Application No.

10/766,060

Examiner

Andrew L. Nalven

Applicant(s)

ADAY ET AL.

Art Unit

2134

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 11/12/2007.
2. ☒ The allowed claim(s) is/are 8-11, 15-17, 19, 26-28, 35-37 and 41-45.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

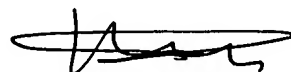
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____



KAMBIZ ZAND
SUPERVISORY PATENT EXAMINER

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Jerome Schaefer (Reg# 50,800) on 12/27/2007.

The application has been amended as follows:

Claims 1-7 are canceled.

Claim 8: A method of protecting a message having information in a multiparty transaction, the method comprising:

obtaining, in response to a user request, from a primary transaction participant, identities of at least two transaction participants in the multiparty transaction;

obtaining, in response to a user request, cryptographic information corresponding to the at least two transaction participants;

dividing, by a user, the information into segments and placing only a relevant portion of the information which is needed by a particular transaction participant into a segment;

cryptographically encoding the segments using the cryptographic information corresponding to the particular transaction participant; and
transmitting the cryptographically encoding segments to one of the transaction participants identified as the primary transaction participant; and
transmitting the cryptographically encoding segments to the at least two transaction participants.

Claims 13-14 are canceled.

Claim 15: A method of controlling data content exposure in a multiparty transaction, the method comprising:

obtaining, in response to a user request, from a primary transaction participant, at least two identities of secondary transaction participants to be involved in a multiparty transaction;

obtaining, in response to a user request, cryptographic information for the at least two secondary transaction participants, each secondary transaction participant having unique cryptographic information;

cryptographically encoding a unique portion of the data content for each of the at least two secondary transaction participants such that a unique data content and a unique encryption are used for each secondary transaction participant, the unique portion of the data content selected by the user such that only a relevant portion of the

data content which is needed by a particular secondary transaction participant is encoded for that particular secondary transaction participant; and

transmitting the cryptographically encoded information to the at least two secondary transaction participants.

Claims 20-25 are canceled.

Claim 26: A computer-readable storage medium having computer-executable instructions for performing a method of protecting a message having information in a multiparty transaction, the method comprising:

obtaining, in response to a user request, from a primary transaction participant, identities of at least two transaction participants in the multiparty transaction;

obtaining, in response to a user request, cryptographic information corresponding to the at least two transaction participants;

dividing, by a user, the information into segments and placing only a relevant portion of the information which is needed by a particular transaction participant into a segment;

cryptographically encoding the segments using the cryptographic information corresponding to the particular transaction participant; and

transmitting the cryptographically encoding segments to the at least two transaction participants.

Cancel claims 30-34.

Claim 35: A system comprising:

a processor having access to memory, the memory having instructions which, when executed, perform the method of protecting a message having information in a multiparty transaction, the method comprising:

obtaining, in response to a user request, from a primary transaction participant, identities of at least two transaction participants in the multiparty transaction;

obtaining, in response to a user request, cryptographic information corresponding to the at least two transaction participants;

dividing, by a user, the information into segments and placing only a relevant portion of the information which is needed by a particular transaction participant into a segment;

cryptographically encoding the segments using the cryptographic information corresponding to the particular transaction participant; and

transmitting the cryptographically encoding segments to one of the transaction participants identified as the primary transaction participant; and

transmitting the cryptographically encoding segments to the at least two transaction participants.

Claims 39-40 are canceled.

Claim 41: A system comprising:

a processor having access to memory, the memory having instructions which, when executed, perform the method of controlling data content exposure in a multiparty transaction, the method comprising:

obtaining, in response to a user request, from a primary transaction participant, at least two identities of secondary transaction participants to be involved in a multiparty transaction;

obtaining, in response to a user request, cryptographic information for the at least two secondary transaction participants, each secondary transaction participant having unique cryptographic information;

cryptographically encoding a unique portion of the data content for each of the at least two secondary transaction participants such that a unique data content and a unique encryption are used for each secondary transaction participant, the unique portion of the data content selected by the user such that only a relevant portion of the data content which is needed by a particular secondary transaction participant is encoded for that particular secondary transaction participant; and

transmitting the cryptographically encoded information to the at least two secondary transaction participants.

Claim 45: The system method of claim 41, wherein the instructions performing the method steps further comprise transmitting a message request to act upon the information represented by the data content so as to execute the multiparty transaction.

1. Claims 8-11, 15-17, 19, 26-28, 35-37, and 41-45 are allowed.

The following is an examiner's statement of reasons for allowance:

The cited prior art, Anderson, Walker, Fox, Hawkins, and Leong, teach methods of encrypting data in transactions. However, the cited prior art fails to teach the obtaining from a primary transaction participant, by a user, the identities participants in a multiparty transaction and cryptographically encoding a unique portion of the data content for each of the at least two secondary transaction participants such that a unique data content and a unique encryption are used for each secondary transaction participant, the unique portion of the data content selected by the user such that only a relevant portion of the data content which is needed by a particular secondary transaction participant is encoded for that particular secondary transaction participant and finally where all encoded portions of data are distributed to all transaction participants. As a result, the cited prior art fails to anticipate or render obvious the above cited claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andrew L. Nalven whose telephone number is 571 272 3839. The examiner can normally be reached on Monday - Thursday 8-6, Alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kambiz Zand can be reached on 571 272 3811. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Andrew Nalven



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SUPERVISORY PATENT EXAMINER